

SEQUENCE LISTING

<110> Sheppard, Paul O.
Baindur, Nand
Bishop, Paul D.

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Leu Leu Ala Pro Gly Tyr Ile Glu Thr His Tyr Gly Pro Asp Gly Gln	
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aaagacaggt ggccactgac agccactcca ggaacttgaa ctgcaggggc agagccagtg aatcaccgga cctccagcac ctgcaggcag cttggaagtt tcttccccga gtggagcttc gaccaccca ctccaggaaac ccagagccac attagaagtt cctgaggggt ggagaacact gctgggcaca ctctccagct caataaacca tcagtcccag aagcaaaggt cacacagccc ctgacctccc tcaccagtgg aggctgggta gtgctggcca tccaaaagg gctctgtcct gggagtctgg tgtgtctcct acatgcaatt tccacggacc cagctctgtg gagggcatga ctgctggcca gaagctagtg gtcctggggc cctatgggtc gactgagtcc acactcccct ggagcctggc tggcctctgc aaacaaacat aattttgggg accttccttc ctgtttcttc ccaccctgtc ttctccccta ggtggttcct gagccccac cccaatccc agtgctacac ctgaggttct ggagctcaga atctgacagc ctctcccca ttctgtgtgt gtcgggggga cagagggaaac catttaagaa aagataccaa agtagaagtc aaaagaaaga catgttggt ataggcgtgg tggctcatgc ctataatccc agcacttttg gaagccgggg taggaggatc accagaggcc agcaggtcca caccagcctg ggcaacacag caagacaccg catctacaga aaaattttaa aattagctgg gcgtgggtgt gtgtacctgt aggcctagct gctcaggagg ctgaagcagg aggatcactt gagcctgagt tcaacactgc agtgagctat ggtggcacca	2562 2622 2682 2742 2802 2862 2922 2982 3042 3102 3162 3222 3282 3342 3402

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<211> 812
<212> PRT
<213> Homo sapiens
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Tyr	Gly	Pro	Asp	Gly	Gln	Pro	Val	Val	Leu	Ala	Pro	Asn	His	Thr	Asp
			100				105				110				
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			115				120				125				
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Asn 145	Ala	Ser	Tyr	Tyr	Leu	Arg	Pro	Trp	Pro	Pro	Arg	Gly	Ser	Lys	Asp
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			195				200				205				
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95

Gln	Asp	Ala	Asn	Ala	Thr	Leu	Trp	Ala	Phe	Leu	Gln	Trp	Arg	Arg	Gly
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Arg	Ala	Glu	Ser	Ser	Gly	Gly	Val	Ser	Thr	Asp	His	Ser	Glu	Leu	Pro
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Cys	Ser	Leu	Arg	Pro	Gly	Ala	Gln	Cys	Ala	His	Gly	Asp	Cys	Cys	Val
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465					470					475					480
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Pro	Asp	Val	Tyr	Leu	Leu	Asp	Gly	Ser	Pro	Cys	Ala	Arg	Gly	Ser	Gly
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Gly	His	Phe	Leu	Pro	Cys	Ala	Gly	Arg	Asp	Ala	Leu	Cys	Gly	Lys	Leu
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Gln	Cys	Gln	Gly	Gly	Lys	Pro	Ser	Leu	Leu	Ala	Pro	His	Met	Val	Pro
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Val Glu Pro Gly Thr Gln Cys Gly Pro Arg Met Val Cys Gln Ser Arg
625 630 635 640
Arg Cys Arg Lys Asn Ala Phe Gln Glu Leu Gln Arg Cys Leu Thr Ala
645 650 655
Cys His Ser His Gly Val Cys Asn Ser Asn His Asn Cys His Cys Ala
660 665 670
Pro Gly Trp Ala Pro Pro Phe Cys Asp Lys Pro Gly Phe Gly Gly Ser
675 680 685
Met Asp Ser Gly Pro Val Gln Ala Glu Asn His Asp Thr Phe Leu Leu
690 695 700
Ala Met Leu Leu Ser Val Leu Leu Pro Leu Leu Pro Gly Ala Gly Leu
705 710 715 720
Ala Trp Cys Cys Tyr Arg Leu Pro Gly Ala His Leu Gln Arg Cys Ser
725 730 735
Trp Gly Cys Arg Arg Asp Pro Ala Cys Ser Gly Pro Lys Asp Gly Pro
740 745 750
His Arg Asp His Pro Leu Gly Gly Val His Pro Met Glu Leu Gly Pro
755 760 765
Thr Ala Thr Gly Gln Pro Trp Pro Leu Asp Pro Glu Asn Ser His Glu
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<210> 5

<211> 2406

<212> DNA

<213> Artificial Sequence

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<223> Degenerate sequence

<221> misc_feature

<222> (1)...(2406)

<223> n = A,T,C or G

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acnccncayt gggtnytnga yggncarccn tggmgnacng tnwsnytnga rgarcngtn 180

wsnaarccng	ayatgggnyt	ngtngcnytn	gargcngarg	gncargaryt	nytnytngar	240
ytngaraara	aycaymgyt	nytnngcnccn	ggntayathg	aracncayta	yggncngay	300
ggncarccng	tngtnytngc	nccnaaycay	acngaycayt	gycaytayca	rggnmgngtn	360
mgnggnttyc	cngaywsntg	ggtngtynytn	tgyacntgyw	snggnatgws	nggnytnath	420
acnytnwsnm	gnaaygcnws	ntaytayytn	mgnccntggc	cncnmgngg	nwsnaargay	480
ttywsnacnc	aygarathtt	ymgnatggar	carytnytna	cntggaargg	nacntgyggg	540
caymgngayc	cnggnaayaa	rgcnggnatg	acnwsnytn	cnggnggncc	ncarwsnmgn	600
ggnmgnmgng	argcnmgng	nacnmgnaar	tayytngary	tntayathgt	ngcngaycay	660
acnytnntty	tnacnmgnca	ymgnaayytn	aaycayacna	arcarmgnyt	nytnngargtn	720
gcnaaytayg	tngaycaryt	nytnmgnaacn	ytngayathc	argtngcnyt	nacnggnytn	780
gargtntgga	cngarmgnga	ymgnwsnmgn	gtnacncarg	aygcnaaygc	nacnytntg	840
gcnttyytnc	artggmgnmg	nggnytntg	gcncarmgnc	cncaygayws	ngcncarytn	900
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mgngcngarw	snwsnggngg	ngtnwsnacn	gaycaywsng	arytnccnat	hggngcngcn	1020
gcnacnatgg	cncaygarat	hggncaywsn	ytnggnytnw	sncaygaycc	ngayggntgy	1080
tgygtngarg	cngcngcnga	rwsnggnggn	tgygtnatgg	cngcngcnac	nggncayccn	1140
ttyccnmgng	tnttywsngc	ntgywsnmgn	mgncarytnm	gngcnttytt	ymgnaarggn	1200
ggnggngcnt	gyttnwsnaa	ygcncngay	ccnggnytn	cngtnccncc	ngcnytntg	1260
ggnaayggnt	tygtngargc	ngngngargar	tgygaytgyg	gncnggnca	rgartgymgn	1320
gaytntgyt	gyttygcnc	yaaytgywsn	ytngmncng	gngcncartg	ygcncaygg	1380
gaytgytgyg	tnmgntgyyt	nytnaarccn	gcnggngcny	tntgymgnca	rgcnatgggn	1440
gaytgygayy	tnccngartt	ytgyacnggn	acnwsnwsnc	aytgyccncc	ngaygtntay	1500
ytntngayg	gnwsnccntg	ygcnmngngn	wsnggntayt	gytgggaggg	ngcntgyccn	1560
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acnggnacna	cncntgggc	ngcnttyacn	ccntggwsnt	gggncncna	rccnytnay	2280
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<210> 6

<211> 2439

<212> DNA

<213> Artificial Sequence

<220>

<223> Degenerate sequence

<221> misc_feature

<222> (1)...(2439)

<223> n = A,T,C or G

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acnccncayt	gggtnytnga	yggncarccn	tggmgnacng	tnwsnytnga	rgarccngtn	180
wsnaarccng	ayatgggnyt	ngtngcnytn	gargcngarg	gncargaryt	nytnytngar	240
ytngaraara	aycaymgyt	nytngcncn	ggntayathg	aracncayta	yggncngay	300
ggncarccng	tngtnytngc	nccnaaycay	acngaycayt	gycaytayca	rggnmgngtn	360
mgnggnttyc	cngaywsntg	ggtngtnytn	tgyacntgyw	snggnatgws	nggnytnath	420
acnytnwsnm	gnaaygcwsw	ntaytayytn	mgncntggc	cncnmgngg	nwsnaargay	480
ttywsnacnc	aygarathtt	ymgnatggar	carytnytna	cntggaargg	nacntgyggg	540
caymgngayc	cnggnaayaa	rgcnggnatg	acnwsnytn	cnggnggnc	ncarwsnmgn	600
ggnmgmng	argcnmgmng	nacnmgnaar	tayytngary	tntayathgt	ngcngaycay	660
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gcnaaytayg	tngaycaryt	nytnmgncn	ytngayathc	argtngcnyt	nacnggnytn	780
gargtntgga	cngarmnga	ymgnwsnmgn	gtnacncarg	aygcnaaygc	nacnytnntgg	840
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mgngcngarw	snwsnggngg	ngtnwsnacn	gaycaywsng	arytnccnat	hggngcngcn	1020
gcnacnatgg	cncaygarat	hggncaywsn	ytnggnytnw	sncaygaycc	ngayggntgy	1080
tgygtngarg	cngcngcnga	rwsnggnggn	tgygtnatgg	cngcngcnac	nggncayccn	1140
ttyccnmng	tnttywsngc	ntgywsnmgn	mgncarytnm	gngcnttytt	ymgnaarggn	1200
ggngngcnt	gyytnwsnaa	ygcncngay	ccnggnytn	cngtnccncc	ngcnytnntgy	1260
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gayytntgyt	gyttygcnc	yaaytgywsn	ytngmncng	gngcncartg	ygcncaygg	1380
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gayaarccng gnttyggngg nwsnatggay wsnngnccng tncargcnga raaycaygay	2100
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<223> Oligonucleotide ZC22.481

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<223> Oligonucleotide ZC22.482

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101

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<210> 19
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<220>
<223> oligonucleotide ZC18,605

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<210> 20
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<220>
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<210> 21
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<220>
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<400> 21
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<210> 22
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<220>

<223> oligonucleotide ZC20,633

<400> 22

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23

<210> 23

<211> 20

<212> DNA

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<223> oligonucleotide ZC21,074

<400> 25

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<210> 26

<211> 18

<212> DNA

<213> Artificial Sequence



105